

Application No. 09/739,979
Amendment dated: Dec. 7, 2004
Reply to Office Action of: June 7, 2004

REMARKS/ARGUMENTS

In paragraph 1 of the Office Action, the examiner acknowledged the claim to priority from the United Kingdom patent application filed 12/23/1999 and commented that no certified copy has been filed. The required certified copy is being submitted by regular mail.

In paragraph 2, the examiner pointed out the incorrect spelling of "discreet" throughout the disclosure. The foregoing amendments correct these errors. The reference to "inputs $N(k)$ " on page 5 also has been corrected to read " $V(k)$ ". In addition, this opportunity has been taken to correct a number of errors of a clerical nature throughout the disclosure. These corrections are self-explanatory. No new subject matter has been added by them, since they would have been apparent to a person skilled in this art.

In paragraph 3, the examiner objected to claim 5. The objections have been addressed by making the amendments proposed by the examiner.

In paragraph 5, the examiner rejected claims 1, 2 and 6 under 35 U.S.C. 112. The ambiguity regarding the residual impulse spectrum has been resolved by assigning the symbol " $h'(n)$ " to the residual impulse response at the output of box 26 in Figure 5, assigning the symbol " $H'(k)$ " to the residual impulse spectrum at the output of box 28, and clarifying the associated paragraph beginning on page 7, line 4 of applicant's disclosure, where it is explained that the block 26 sets coefficients of the impulse response to zero, i.e. to leave a residual impulse response. The FFT block 28 then takes the Fast Fourier Transform to produce the residual impulse spectrum $H'(k)$. No new subject matter has been added by these clarifications; a person skilled in this art would have been able to resolve the ambiguity.

In the course of amending the claims, it was realised that there were no claims to a receiver *per se*, even though the receiver was depicted in Figure 3 and described. This omission has been rectified by adding new claims 9, 10 and 11. In addition, the Field of the Invention section and Background have been amended to remedy other ambiguities and inconsistencies. The reference to the invention in the final paragraph of the Background section has been moved to a more appropriate location in the Summary of Invention section.

It is noted that the examiner allowed claims 3, 4 and 7. In view of the foregoing amendments to the other claims and the disclosure, it is submitted that all claims of record are patentable and early and favourable reconsideration of the application is respectfully requested.

Respectfully submitted,

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